PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference	FOR FURTHER	000 Fem DCT40 4 D00						
00201-W011		see Form PCT/ISA/220 I as, where applicable, item 5 below.						
International application No.	International filing date (day/month/year)	(Earliest) Priority Date (day/month/year)						
PCT/DK2004/000574	30/08/2004	29/08/2003						
Applicant								
LIFECYCLE PHARMA A/S								
This International Search Report has bee according to Article 18. A copy is being tr	n prepared by this International Searching Aut ansmitted to the International Bureau.	hority and is transmitted to the applicant						
This International Search Report consists	of a total of sheets.							
X It is also accompanied by	a copy of each prior art document cited in this	report.						
.1. Basis of the report								
 a. With regard to the language, the language in which it was filed, un 	international search was carried out on the ba less otherwise indicated under this item.	sis of the international application in the						
The international this Authority (Ru	search was carried out on the basis of a transfile 23.1(b)).	ation of the international application furnished to						
b. With regard to any nucle	otide and/or amino acid sequence disclosed	in the international application, see Box No. I.						
2. Certain claims were fou	2. Certain claims were found unsearchable (See Box II).							
3. Unity of invention is lac	3. Unity of invention is lacking (see Box III).							
4. With regard to the title,								
the text is approved as su	ibmitted by the applicant.							
	shed by this Authority to read as follows:							
SOLID DISPERSIONS COM	RISING TACROLIMUS							
5. With regard to the abstract,								
the text is approved as submitted by the applicant. the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant								
may, within one month fro	omed, according to Hule 38.2(b), by this Authori om the date of mailing of this international sear	ty as it appears in Box No. IV. The applicant ch report, submit comments to this Authority.						
6. With regards to the drawings,								
a. the figure of the drawings to be published with the abstract is Figure No.								
as suggested by	• •							
	s Authority, because the applicant failed to sug	-						
	s Authority, because this figure better characte e published with the abstract.	enzes the invention.						
	- p							

INTERNATIONAL SEARCH REPORT

International Application No

PCT/DK2004/000574 A. CLASSIFICATION OF SUBJECT MATTER
1PC 7 A61K31/436 A61K9/16 A61K9/14 A61P37/06 According to International Patent Classification (IPC) or to both national classification and IPC B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) IPC 7 A61K A61P Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EPO-Internal, WPI Data, PAJ, EMBASE, MEDLINE, BIOSIS, CHEM ABS Data C. DOCUMENTS CONSIDERED TO BE RELEVANT Category 9 Citation of document, with indication, where appropriate, of the relevant passages Relevant to daim No. X WO 01/37808 A (LIPOCINE INC) 1-10.15. 31 May 2001 (2001-05-31) 19-24, 26-31, 33,36, 37. 42-49.51 example 20; claim 1, 5 X EP 1 064 942 A (FUJISAWA PHARMACEUTICAL 1-10,12, CO) 3 January 2001 (2001-01-03) 15, 19-31, 33, 36-38, 42-49,51 '0002!-'0004!; example 12, 27, 29 Further documents are listed in the continuation of box C. Patent family members are listed in annex. Special categories of cited documents: *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the "A" document defining the general state of the art which is not considered to be of particular relevance invention "E" earlier document but published on or after the International *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. 'O' document referring to an oral disclosure, use, exhibition or other means document published prior to the international filling date but later than the priority date claimed "&" document member of the same patent family Date of the actual completion of the international search Date of mailing of the international search report 8 November 2004 30/11/2004 Name and mailing address of the ISA Authorized officer European Patent Office, P.8. 5818 Patentiaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Borst, M

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INTERNATIONAL SEARCH REPORT

International Application No
PCT/DK2004/000574

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ategory °	ation) DOCUMENTS CONSIDERED TO BE RELEVANT Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X Y	HONBO T ET AL: "The oral dosage form of FK-506" TRANSPLANTATION PROCEEDINGS 1987 UNITED STATES, vol. 19, no. 5 SUPPL. 6, 1987, pages 17-22, XP0009024313 ISSN: 0041-1345 page 17, paragraph entitled "Preparation of the Oral dosage Form" page 21-22, paragraph entitled "Discussion"	1-5, 7-10,12, 45-49,51
Y	WO 03/004001 A (HOLM JANNIE EGESKOV; MOELLGAARD BIRGITTE (DK); BUUR ANDERS (DK); HOLM) 16 January 2003 (2003-01-16) cited in the application page 11, line 30 - page 12, line 16; table 2; example 4, 6	1-51
A	SANO N ET AL: "Oral FK 506 blood levels are elevated in pig short bowel model: Further investigations with co-administration of an intestinal CYP3A4 inhibitor." TRANSPLANTATION PROCEEDINGS, vol. 34, no. 3, May 2002 (2002-05), pages 1050-1051, XP002304068 ISSN: 0041-1345 page 1051, paragraph entitled "Discussion"	1-51
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INTERNATIONAL SEARCH REPORT

information on patent family members

International Application No PCT/DK2004/000574

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Patent document cited in search report		Publication date		Patent family member(s)		Publication date
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PATENT COOPERATION TREATY

From the INTERNATIONAL SEARCHING AUTHORITY

То:				PCT				
see form PCT/ISA/220				WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY (PCT Rule 43 bis.1) Date of mailing (day/month/year) see form PCT/ISA210 (second sheet)				
Applicant's or agent's file reference see form PCT/ISA/220				FOR FURTHER ACTION See paragraph 2 below				
1			International filing date (c 30.08.2004	Priority date (day/month/year) 29.08.2003				
International Patent Classification (IPC) or both national classification and IPC A61K31/436, A61K9/16, A61K9/14, A61P37/06								
Applicant LIFECYCLE PHARMA AS								
	·							
This opinion contains indications relating to the following items:								
	☑ Box No. I Basis of the opinion							
	Box No. II	Priority						
	Box No. III	Non-establishment of opinion with regard to novelty, inventive step and industrial applicability						
İ	☐ Box No. IV	, and the state of						
	☑ Box No. V	•						
	☐ Box No. VI							
 	Box No. VII Certain defects in the international application							
	☐ Box No. VIII	Certain observ	ations on the internation	al application				
2.	FURTHER ACT	ION						
If a demand for international preliminary examination is made, this opinion will usually be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA"). However, this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1 bis(b) that written opinions of this International Searching Authority will not be so considered.								
If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of three months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later.								
	For further option	ns, see Form PC	CT/ISA/220.					
3.	3. For further details, see notes to Form PCT/ISA/220.							
<u> </u>								

Name and mailing address of the ISA:

Authorized Officer

<u>g</u>)

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